

ABSTRACT

METHOD OF OPTIMIZING SCHEDULING IN A COMMUNICATIONS SYSTEM OF CDMA TYPE

Method of optimizing scheduling in a communications network of CDMA type comprising at least the following steps :

- detect the base stations received at a measurement point by means of multisensor synchronization, and for each of them estimate the propagation channel, $h(0, s)$, ..., $h(L-1, s)$, estimate the received powers P_i ,
- determine the base station or stations of highest levels which define a group of active stations $\{G_{sa}\}$,
- on the basis of the results obtained in the preceding steps, estimate for each base station of the group of active stations $\{G_{sa}\}$, the reception filter $g(0, s, a)$ implemented by a mobile situated at the measurement point for the reception of the station considered,
- estimate, for each slot s and each antenna configuration a of the mobile, the ratio E_s/I_0 , on the basis of the estimates of the propagation channel, and deduce therefrom the interference factor IF associated with the mobile placed at the measurement point.

Figure 3